RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/664,357_
Source: _IFWO_
Date Processed by STIC: _5/18/06_

ENTERED

RAW SEQUENCE LISTING   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:27

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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   3 <110> APPLICANT: Rosen, et al.
   5 <120> TITLE OF INVENTION: 251 Human Secreted Proteins
   7 <130> FILE REFERENCE: PS901
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/664,357
  10 <141> CURRENT FILING DATE: 2003-09-20
  12 <150> PRIOR APPLICATION NUMBER: US 60/040,162
  13 <151> PRIOR FILING DATE: 1997-03-07
  15 <150> PRIOR APPLICATION NUMBER: US 60/043,576
  16 <151> PRIOR FILING DATE: 1997-04-11
  18 <150> PRIOR APPLICATION NUMBER: US 60/047,601
  19 <151> PRIOR FILING DATE: 1997-05-23
  21 <150> PRIOR APPLICATION NUMBER: US 60/056,845
  22 <151> PRIOR FILING DATE: 1997-08-22
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  25 <151> PRIOR FILING DATE: 1997-04-11
  27 <150> PRIOR APPLICATION NUMBER: US 60/047,599
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  31 <151> PRIOR FILING DATE: 1997-08-22
  33 <150> PRIOR APPLICATION NUMBER: US 60/043,314
  34 <151> PRIOR FILING DATE: 1997-04-11
  36 <150> PRIOR APPLICATION NUMBER: US 60/047,632
  37 <151> PRIOR FILING DATE: 1997-05-23
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  40 <151> PRIOR FILING DATE: 1997-08-22
  42 <150> PRIOR APPLICATION NUMBER: US 60/043,568
  43 <151> PRIOR FILING DATE: 1997-04-11
  45 <150> PRIOR APPLICATION NUMBER: US 60/047,595
  46 <151> PRIOR FILING DATE: 1997-05-23
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  49 <151> PRIOR FILING DATE: 1997-08-22
  51 <150> PRIOR APPLICATION NUMBER: US 60/043,578
  52 <151> PRIOR FILING DATE: 1997-04-11
  54 <150> PRIOR APPLICATION NUMBER: US 60/040,333
  55 <151> PRIOR FILING DATE: 1997-03-07
  57 <150> PRIOR APPLICATION NUMBER: US 60/043,670
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  61 <151> PRIOR FILING DATE: 1997-05-23
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  64 <151> PRIOR FILING DATE: 1997-08-22
  66 <150> PRIOR APPLICATION NUMBER: US 60/043,674
  67 <151> PRIOR FILING DATE: 1997-04-11
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pp 6-11

RAW SEQUENCE LISTING   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:27

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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75 <150> PRIOR APPLICATION NUMBER: US 60/043,569
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79 <151> PRIOR FILING DATE: 1997-05-23
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90 <150> PRIOR APPLICATION NUMBER: US 60/038,621
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132 <150> PRIOR APPLICATION NUMBER: US 60/047,586
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141 <150> PRIOR APPLICATION NUMBER: US 60/047,587
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RAW SEQUENCE LISTING   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:27

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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RAW SEQUENCE LISTING   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:27

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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234 <150> PRIOR APPLICATION NUMBER: US 60/047,502
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RAW SEQUENCE LISTING   DATE: 05/18/2006
PATENT APPLICATION: US/10/664,357   TIME: 12:57:27

Input Set : F:\PS901seqList.txt
Output Set: N:\CRF4\05182006\J664357.raw

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316 <151> PRIOR FILING DATE: 1997-05-30
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
PATENT APPLICATION: US/10/664,357   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3
Seq#:12; N Pos. 13,300,425
Seq#:15; N Pos. 411,1264,1319
Seq#:16; N Pos. 1
Seq#:17; N Pos. 990,1002
Seq#:18; N Pos. 748
Seq#:21; N Pos. 1
Seq#:22; N Pos. 1,733,734
Seq#:24; N Pos. 1649,1663,1665
Seq#:25; N Pos. 6,18,41,1501
Seq#:26; N Pos. 707,724,726
Seq#:29; N Pos. 17,108
Seq#:33; N Pos. 28,706,745,748,757,765,772,781,813,840,842
Seq#:34; N Pos. 2
Seq#:37; N Pos. 844,858
Seq#:40; N Pos. 2075,2083
Seq#:44; N Pos. 233
Seq#:46; N Pos. 37,55,76,112,120,137
Seq#:48; N Pos. 20,44,56,128,625,692,699
Seq#:51; N Pos. 66,872
Seq#:57; N Pos. 1463,1490,1503
Seq#:58; N Pos. 5749,5892,5896,5906,5957,5966
Seq#:61; N Pos. 1614
Seq#:63; N Pos. 85
Seq#:64; N Pos. 979,1047,1135
Seq#:73; N Pos. 1207,1272
Seq#:74; N Pos. 670,713,721,728,731,756
Seq#:75; N Pos. 5
Seq#:77; N Pos. 44
Seq#:82; N Pos. 827,828,829,831
Seq#:83; N Pos. 1,1097,1120,1127,1141,1161,1197
Seq#:84; N Pos. 587,1634,1648,1659,1668
Seq#:88; N Pos. 83,334
Seq#:89; N Pos. 41,49,64,607,621
Seq#:90; N Pos. 105,730,755,757,777
Seq#:92; N Pos. 70,126,1860
Seq#:95; N Pos. 791
Seq#:101; N Pos. 295,875,914
Seq#:105; N Pos. 874,1198,1201,1266
Seq#:107; N Pos. 2553
Seq#:110; N Pos. 352,376,378
Seq#:114; N Pos. 1248,1389,1391,1393,1396,1551
Seq#:116; N Pos. 1412,1433,1446,1505
Seq#:117; N Pos. 1445,1551

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
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Input Set : **F:\PS901seqList.txt**
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Seq#:120; N Pos. 1,2584,2590,3153
Seq#:121; N Pos. 2340,2373
Seq#:122; N Pos. 919
Seq#:124; N Pos. 12,45
Seq#:127; N Pos. 1675
Seq#:130; N Pos. 2527
Seq#:132; N Pos. 287
Seq#:134; N Pos. 14,36,1750
Seq#:136; N Pos. 2262,2264,2272,2278,2279
Seq#:137; N Pos. 1225
Seq#:138; N Pos. 963
Seq#:139; N Pos. 538
Seq#:140; N Pos. 538
Seq#:143; N Pos. 770
Seq#:148; N Pos. 1,1196,1200,1237
Seq#:149; N Pos. 19
Seq#:152; N Pos. 4,8,28,57,61
Seq#:156; N Pos. 213
Seq#:160; N Pos. 537,880,1115
Seq#:162; N Pos. 2101,2102
Seq#:165; N Pos. 17,580
Seq#:167; N Pos. 222
Seq#:168; N Pos. 536
Seq#:177; N Pos. 1327
Seq#:181; N Pos. 968
Seq#:182; N Pos. 1
Seq#:183; N Pos. 21,22,37
Seq#:184; N Pos. 482
Seq#:187; N Pos. 649
Seq#:190; N Pos. 30,59,79,3465,3471,3485,3487,3505
Seq#:191; N Pos. 386
Seq#:194; N Pos. 283,691
Seq#:196; N Pos. 1012
Seq#:205; N Pos. 5,857
Seq#:220; N Pos. 1,587
Seq#:223; N Pos. 248,1004,1014
Seq#:226; N Pos. 3462,3466
Seq#:231; N Pos. 1
Seq#:235; N Pos. 1
Seq#:237; N Pos. 1398,1428
Seq#:240; N Pos. 760
Seq#:247; N Pos. 1874
Seq#:256; N Pos. 537
Seq#:259; N Pos. 356
Seq#:261; N Pos. 1
Seq#:267; N Pos. 1212
Seq#:269; N Pos. 1029,1037,1040
Seq#:275; N Pos. 1177,1187,2057
Seq#:276; N Pos. 920
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
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Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

Seq#:277; N Pos. 1,4,5,823,845
Seq#:278; N Pos. 3,8,566,680,684,703,715,717,731
Seq#:279; N Pos. 2018,2044,2292,2306,2331,2332
Seq#:281; N Pos. 2488,2493,2512,2523
Seq#:282; N Pos. 1529,1556,1569
Seq#:285; N Pos. 4,18
Seq#:287; N Pos. 2001
Seq#:289; N Pos. 1550,1564
Seq#:290; N Pos. 13,20
Seq#:291; N Pos. 1568,1652,1654,1660,1661
Seq#:292; N Pos. 5,16,496,523,531
Seq#:293; N Pos. 1099
Seq#:294; N Pos. 508
Seq#:296; N Pos. 694,716,755,761,791,808,880
Seq#:297; N Pos. 1,21,369
Seq#:298; N Pos. 798
Seq#:299; N Pos. 289
Seq#:300; N Pos. 289
Seq#:303; N Pos. 345
Seq#:304; N Pos. 337,359
Seq#:306; N Pos. 11,171,172
Seq#:307; N Pos. 11,15,941,1016,1022,1028
Seq#:309; N Pos. 18,20,584
Seq#:310; N Pos. 345
Seq#:313; N Pos. 14,55,63,64,174
Seq#:315; N Pos. 525,542,562,607
Seq#:320; N Pos. 1130,1948
Seq#:321; N Pos. 78,948
Seq#:322; N Pos. 78
Seq#:324; N Pos. 20
Seq#:326; N Pos. 525,578,581,620,629,630
Seq#:328; N Pos. 725
Seq#:330; N Pos. 1748
Seq#:331; N Pos. 1,6,32
Seq#:332; N Pos. 12,30,46,66
Seq#:334; N Pos. 618,715
Seq#:335; N Pos. 1187,1325,1327
Seq#:340; N Pos. 20,24,37,49,96,116,193,199
Seq#:344; N Pos. 2
Seq#:345; N Pos. 23,27,30,1032,1055,1056,1062
Seq#:346; N Pos. 3,41
Seq#:347; N Pos. 570
Seq#:348; N Pos. 754,2242
Seq#:351; N Pos. 462,498,520
Seq#:352; N Pos. 5,17,21,36,107,150,323,1307,1337,1341,1343
Seq#:353; N Pos. 36,93,158,592
Seq#:354; N Pos. 12,925,953
Seq#:355; N Pos. 146
Seq#:356; N Pos. 1095,1115,1142,1162

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
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Input Set : **F:\PS901seqList.txt**
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Seq#:357; N Pos. 820
Seq#:358; N Pos. 14,27,33,105
Seq#:364; N Pos. 41
Seq#:365; N Pos. 1693,1748
Seq#:367; N Pos. 5,857,1037,1058
Seq#:368; N Pos. 19,544
Seq#:372; N Pos. 1047,1301,1507
Seq#:376; N Pos. 775,2080,2083
Seq#:380; N Pos. 646,670,696,707,718
Seq#:381; N Pos. 6,14,16,50,95,101,139,176
Seq#:385; N Pos. 418,803,816
Seq#:386; N Pos. 1067,1069,1577
Seq#:387; N Pos. 517
Seq#:388; N Pos. 14,33,441,460
Seq#:389; N Pos. 786,819
Seq#:390; N Pos. 1,2,12
Seq#:392; N Pos. 873
Seq#:394; N Pos. 441,987,2034,2041,2121,2169,2184
Seq#:396; N Pos. 2675
Seq#:397; N Pos. 33
Seq#:398; N Pos. 388,414,458,501
Seq#:399; N Pos. 388,414,458,501
Seq#:401; N Pos. 591,593,600,601,605
Seq#:402; N Pos. 20,29,34,57,101,703,779
Seq#:403; N Pos. 1,23,31,45,829,860
Seq#:406; Xaa Pos. 13
Seq#:409; Xaa Pos. 16,54
Seq#:414; Xaa Pos. 129,132,134
Seq#:421; Xaa Pos. 94
Seq#:438; Xaa Pos. 23
Seq#:446; Xaa Pos. 36,47,51,83
Seq#:453; Xaa Pos. 172,175
Seq#:457; Xaa Pos. 210
Seq#:458; Xaa Pos. 322,345,374
Seq#:469; Xaa Pos. 265,597
Seq#:471; Xaa Pos. 137
Seq#:477; Xaa Pos. 331,338,345
Seq#:482; Xaa Pos. 46
Seq#:502; Xaa Pos. 69
Seq#:504; Xaa Pos. 11,34
Seq#:505; Xaa Pos. 12,13,72
Seq#:508; Xaa Pos. 69
Seq#:523; Xaa Pos. 38
Seq#:528; Xaa Pos. 143
Seq#:532; Xaa Pos. 167
Seq#:533; Xaa Pos. 87
Seq#:534; Xaa Pos. 36,67,70,71,82,92
Seq#:539; Xaa Pos. 24
Seq#:540; Xaa Pos. 66,77,81,84,86,87,93,103,110
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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Seq#:544; Xaa Pos. 16
Seq#:545; Xaa Pos. 184
Seq#:554; Xaa Pos. 30,32,87,101,115
Seq#:558; Xaa Pos. 173
Seq#:561; Xaa Pos. 51
Seq#:562; Xaa Pos. 29,30,65
Seq#:567; Xaa Pos. 44
Seq#:569; Xaa Pos. 40,46,60
Seq#:575; Xaa Pos. 168,174,198,213
Seq#:587; Xaa Pos. 40,45,169,293,297,547
Seq#:590; Xaa Pos. 49
Seq#:596; Xaa Pos. 11
Seq#:599; Xaa Pos. 283,303,307
Seq#:617; Xaa Pos. 32
Seq#:620; Xaa Pos. 381
Seq#:622; Xaa Pos. 20
Seq#:624; Xaa Pos. 53
Seq#:626; Xaa Pos. 42,58
Seq#:632; Xaa Pos. 67
Seq#:666; Xaa Pos. 41
Seq#:668; Xaa Pos. 139,187
Seq#:669; Xaa Pos. 70
Seq#:670; Xaa Pos. 24,75
Seq#:675; Xaa Pos. 807,809,815,819
Seq#:682; Xaa Pos. 7,27
Seq#:683; Xaa Pos. 9,14
Seq#:684; Xaa Pos. 66
Seq#:686; Xaa Pos. 31,57
Seq#:687; Xaa Pos. 87,185
Seq#:692; Xaa Pos. 9
Seq#:693; Xaa Pos. 48,55,58,67
Seq#:694; Xaa Pos. 38,48,54,55,68
Seq#:697; Xaa Pos. 8,73,76
Seq#:698; Xaa Pos. 89,91,94,97,98
Seq#:707; Xaa Pos. 19,73
Seq#:709; Xaa Pos. 150
Seq#:711; Xaa Pos. 92
Seq#:714; Xaa Pos. 364
Seq#:715; Xaa Pos. 26,84,111
Seq#:716; Xaa Pos. 26,84,111
Seq#:718; Xaa Pos. 61,68
Seq#:719; Xaa Pos. 25
Seq#:720; Xaa Pos. 24
Seq#:721; Xaa Pos. 172,174
Seq#:723; Xaa Pos. 171,180,182,188,208,210,211,218,219
Seq#:726; Xaa Pos. 4,10,22,35,39,42
Seq#:729; Xaa Pos. 24,65
Seq#:730; Xaa Pos. 170
Seq#:733; Xaa Pos. 41
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/18/2006
PATENT APPLICATION: US/10/664,357   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
Seq#:736; Xaa Pos. 45,47,51,134,183,222,224,255
Seq#:739; Xaa Pos. 8,9,10,16
Seq#:741; Xaa Pos. 123,129,145,146,157
Seq#:742; Xaa Pos. 10,136,186,234
Seq#:751; Xaa Pos. 251
Seq#:754; Xaa Pos. 41
Seq#:757; Xaa Pos. 142
Seq#:761; Xaa Pos. 204,224,228,264,271
Seq#:762; Xaa Pos. 43
Seq#:766; Xaa Pos. 300
Seq#:767; Xaa Pos. 140,145,146,148,165
Seq#:774; Xaa Pos. 92,100,109,116
Seq#:775; Xaa Pos. 6,18
Seq#:777; Xaa Pos. 126
Seq#:779; Xaa Pos. 40,51,55
Seq#:781; Xaa Pos. 136
Seq#:782; Xaa Pos. 33,43
Seq#:788; Xaa Pos. 6,39,44,71
Seq#:789; Xaa Pos. 69
Seq#:790; Xaa Pos. 26,216,234,275,871
Seq#:791; Xaa Pos. 11,20,398
Seq#:792; Xaa Pos. 103,112
Seq#:793; Xaa Pos. 71,103,112
Seq#:797; Xaa Pos. 10,15,268,271,273,274,276,286
Seq#:821; N Pos. 554,640,650,953,1019
Seq#:835; N Pos. 709,738
Seq#:836; N Pos. 741
Seq#:842; N Pos. 1,4,150
```

VERIFICATION SUMMARY   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
L:9    M:270 C: Current Application Number differs, Replaced Current Application Number
L:2380 M:256 W: Invalid Numeric Header Field, <150> PRIOR APPLICATION NUMBER:
L:2381 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:2419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:2611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:2615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:240
L:2618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:420
L:2720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:360
L:2735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1260
L:2749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:2795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:960
L:2820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:720
L:2891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:2956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:2968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:720
L:3094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:1620
L:3122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:3147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:1500
L:3181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:660
L:3182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:720
L:3268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:3269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:60
L:3412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:3423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:660
L:3424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:720
L:3425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:780
L:3426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:840
L:3439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:3532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:840
L:3631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:2040
L:3766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:180
L:3833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:3834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60
L:3835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:120
L:3919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:3921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:120
L:3929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:600
L:3930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:660
L:3986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:60
L:3999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:840
L:4210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:1440
L:4211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:1500
L:4344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:5700
L:4347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:5880
L:4348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:5940
L:4467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:1560
L:4519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:60
L:4584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:960
```

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Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
L:4585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:1020
L:4586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:1080
L:5079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1200
L:5080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1260
L:5129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:660
L:5130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:720
L:5143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:5236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:5449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:780
L:5492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:5510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:1080
L:5511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:1140
L:5554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:540
L:5572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:1620
L:5672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:60
L:5676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:300
L:5726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:5727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:60
L:5736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:600
L:5770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:60
L:5781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:720
L:5821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:60
L:5822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:120
L:5850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:1800
L:5926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:780
L:6104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:240
L:6114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:840
L:6115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:900
L:6264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:840
L:6269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:1140
L:6270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:1200
L:6271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:1260
L:6367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:2520
L:6433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:300
L:6434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:360
L:6576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:1200
L:6579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:1380
L:6581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:1500
L:6649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:1380
L:6650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:1440
L:6651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:1500
L:6693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:1440
L:6694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:1500
L:6777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:6820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:2580
L:6829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:3120
L:6885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:2280
L:6886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:2340
L:6916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:900
```

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Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
L:6962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
L:7096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1620
L:7212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:2520
L:7261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:240
L:7316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
L:7345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:1740
L:7434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:2220
L:7468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:1200
L:7497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:960
L:7518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:480
L:7570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:480
L:7652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:720
L:7788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0
L:7807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:1140
L:7808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:1200
L:7821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:0
L:7930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0
L:7931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:60
L:8050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:180
L:8203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:480
L:8209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:840
L:8213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:1080
L:8290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162 after pos.:2100
L:8366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:0
L:8375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:540
L:8408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:180
L:8443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:480
L:8696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:1320
L:8821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:960
L:8850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0
L:8902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
L:8953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:480
L:9047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:600
L:9209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:9210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:60
L:9266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:3420
L:9267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:3480
L:9286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:360
L:9451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:240
L:9458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:660
L:9525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:960
L:9879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:9893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:840
L:10375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
L:10384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:540
L:10466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:240
L:10478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:960
L:10602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:3420
L:10728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231 after pos.:0
```

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Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
L:10819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:0
L:10899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:1380
L:10986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240 after pos.:720
L:11236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247 after pos.:1860
L:11623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:480
L:11714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:300
L:11786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261 after pos.:0
L:12052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267 after pos.:1200
L:12149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 after pos.:1020
L:12320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:1140
L:12335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:2040
L:12363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:900
L:12417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:0
L:12430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:780
L:12431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:840
L:12484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:0
L:12493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:540
L:12495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:660
L:12496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:720
L:12562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:1980
L:12563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:2040
L:12567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:2280
L:12673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:2460
L:12674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:2520
L:12761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:1500
L:12762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:1560
L:12853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:0
L:12948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:1980
L:13005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:1500
L:13006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:1560
L:13024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:0
L:13092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291 after pos.:1560
L:13093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291 after pos.:1620
L:13127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:0
L:13135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:480
L:13167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:1080
L:13199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:480
L:13268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:660
L:13269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:720
L:13270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:780
L:13271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:840
L:13320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297 after pos.:0
L:13326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297 after pos.:360
L:13358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298 after pos.:780
L:13386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299 after pos.:240
L:13436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:300 after pos.:240
L:13540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:303 after pos.:300
L:13577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:300
L:13620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:0
```

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PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

```
L:13622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:120
L:13669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:0
L:13684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:900
L:13685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:960
L:13686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:1020
L:13742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:0
L:13751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:540
L:13770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:300
L:13855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:0
L:13856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:60
L:13857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:120
L:13936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:480
L:13937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:540
L:13938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:600
L:14095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320 after pos.:1080
L:14109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320 after pos.:1920
L:14128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321 after pos.:60
L:14142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321 after pos.:900
L:14165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:60
L:14227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:0
L:14303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:480
L:14304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:540
L:14305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:600
L:14360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:328 after pos.:720
L:14428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330 after pos.:1740
L:14451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331 after pos.:0
L:14492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:0
L:14493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:60
L:14598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:600
L:14599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:660
L:14642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:1140
L:14645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:1320
L:14821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:0
L:14822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:60
L:14824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:180
L:14952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:0
L:15006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:345 after pos.:0
L:15023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:345 after pos.:1020
L:15041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:346 after pos.:0
L:15082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347 after pos.:540
L:15112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:720
L:15137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:2220
L:15266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:351 after pos.:420
L:15267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:351 after pos.:480
L:15330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:0
L:15331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:60
L:15332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:120
L:15335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:300
L:15351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:1260
```

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Input Set : **F:\PS901seqList.txt**
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```
L:15352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:1320
L:15380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:0
L:15381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:60
L:15382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:120
L:15389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:540
L:15418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354 after pos.:0
L:15433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354 after pos.:900
L:15449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:120
L:15505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356 after pos.:1080
L:15506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356 after pos.:1140
L:15532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357 after pos.:780
L:15576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:0
L:15577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:60
L:15750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:0
L:15798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:1680
L:15799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:1740
L:15849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:0
L:15863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:840
L:15866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:1020
L:15885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0
L:15894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:540
L:16017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:1020
L:16021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:1260
L:16025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:1500
L:16149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376 after pos.:720
L:16171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376 after pos.:2040
L:16297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:600
L:16298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:660
L:16347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:0
L:16348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:60
L:16349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:120
L:16462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:360
L:16469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:780
L:16514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:1020
L:16523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:1560
L:16544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:480
L:16572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:0
L:16579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:420
L:16620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:780
L:16638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390 after pos.:0
L:16692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392 after pos.:840
L:16805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:420
L:16814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:960
L:16831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:1980
L:16832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:2040
L:16833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:2100
L:16834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:2160
L:16917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:2640
L:16945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:397 after pos.:0
```

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Output Set: **N:\CRF4\05182006\J664357.raw**

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L:17027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:360
L:17028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:420
L:17029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:480
L:17063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399 after pos.:360
L:17064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399 after pos.:420
L:17065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399 after pos.:480
L:17137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401 after pos.:540
L:17138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401 after pos.:600
L:17181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:0
L:17182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:60
L:17192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:660
L:17193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:720
L:17233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:0
L:17246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:780
L:17247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:840
L:17340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406 after pos.:0
L:17452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409 after pos.:0
L:17461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409 after pos.:48
L:17681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:414 after pos.:128
L:18030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:80
L:18627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:438 after pos.:16
L:18807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446 after pos.:32
L:18810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446 after pos.:48
L:18816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446 after pos.:80
L:19215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453 after pos.:160
L:19351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:457 after pos.:208
L:19494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:458 after pos.:320
L:19497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:458 after pos.:336
L:19503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:458 after pos.:368
L:20165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:469 after pos.:256
L:20228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:469 after pos.:592
L:20291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:471 after pos.:128
L:20561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:477 after pos.:320
L:20564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:477 after pos.:336
L:20681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:482 after pos.:32
L:21200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502 after pos.:64
L:21250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:504 after pos.:0
L:21256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:504 after pos.:32
L:21282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:505 after pos.:0
L:21294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:505 after pos.:64
L:21449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:508 after pos.:64
L:22150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:523 after pos.:32
L:22357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:528 after pos.:128
L:22511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:532 after pos.:160
L:22545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:533 after pos.:80
L:22631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:32
L:22637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:64
L:22640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:80
L:22772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539 after pos.:16
```

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Input Set : **F:\PS901seqList.txt**
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```
L:22849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:64
L:22852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:80
L:22855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:96
L:23003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:544 after pos.:0
L:23058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:545 after pos.:176
L:23443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:16
L:23455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:80
L:23458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:96
L:23461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:112
L:23588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558 after pos.:160
L:23680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:561 after pos.:48
L:23715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:562 after pos.:16
L:23724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:562 after pos.:64
L:23829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:567 after pos.:32
L:23896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:569 after pos.:32
L:23899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:569 after pos.:48
L:24198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:575 after pos.:160
L:24204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:575 after pos.:192
L:24207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:575 after pos.:208
L:24603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:587 after pos.:32
L:24627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:587 after pos.:160
L:24651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:587 after pos.:288
L:24699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:587 after pos.:544
L:24869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:590 after pos.:48
L:25096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:596 after pos.:0
L:25357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:599 after pos.:272
L:25360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:599 after pos.:288
L:25363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:599 after pos.:304
L:26109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:617 after pos.:16
L:26246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:368
L:26345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:622 after pos.:16
L:26495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:624 after pos.:48
L:26572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:626 after pos.:32
L:26575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:626 after pos.:48
L:26793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:632 after pos.:64
L:28159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:666 after pos.:32
L:28278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:128
L:28287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:176
L:28321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:669 after pos.:64
L:28351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670 after pos.:16
L:28360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670 after pos.:64
L:28636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:675 after pos.:800
L:28639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:675 after pos.:816
L:28882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:682 after pos.:0
L:28885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:682 after pos.:16
L:28915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:683 after pos.:0
L:28943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:684 after pos.:64
L:29005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:686 after pos.:16
L:29011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:686 after pos.:48
```

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L:29053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:687 after pos.:80
L:29071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:687 after pos.:176
L:29191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:692 after pos.:0
L:29231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:693 after pos.:32
L:29234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:693 after pos.:48
L:29237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:693 after pos.:64
L:29285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694 after pos.:32
L:29288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694 after pos.:48
L:29291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694 after pos.:64
L:29411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:697 after pos.:0
L:29423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:697 after pos.:64
L:29486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:698 after pos.:80
L:29489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:698 after pos.:96
L:29688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707 after pos.:16
L:29697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707 after pos.:64
L:29805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:144
L:29856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:711 after pos.:80
L:29975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:714 after pos.:352
L:30019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:715 after pos.:16
L:30031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:715 after pos.:80
L:30034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:715 after pos.:96
L:30102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:716 after pos.:16
L:30114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:716 after pos.:80
L:30117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:716 after pos.:96
L:30212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:718 after pos.:48
L:30215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:718 after pos.:64
L:30237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:719 after pos.:16
L:30286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:720 after pos.:16
L:30346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:721 after pos.:160
L:30476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:160
L:30479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:176
L:30482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:192
L:30485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:208
L:30581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:726 after pos.:0
L:30584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:726 after pos.:16
L:30587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:726 after pos.:32
L:30822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:729 after pos.:16
L:30831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:729 after pos.:64
L:30880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:730 after pos.:160
L:30969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:733 after pos.:32
L:31153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:32
L:31156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:48
L:31171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:128
L:31180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:176
L:31186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:208
L:31192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:240
L:31263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:739 after pos.:0
L:31358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:741 after pos.:112
L:31361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:741 after pos.:128
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L:31364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:741 after pos.:144
L:31398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:742 after pos.:0
L:31422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:742 after pos.:128
L:31431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:742 after pos.:176
L:31440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:742 after pos.:224
L:31730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:751 after pos.:240
L:31828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:754 after pos.:32
L:32013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:757 after pos.:128
L:32187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:192
L:32190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:208
L:32193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:224
L:32199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:256
L:32224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:762 after pos.:32
L:32417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:766 after pos.:288
L:32483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:767 after pos.:128
L:32486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:767 after pos.:144
L:32489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:767 after pos.:160
L:32868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:774 after pos.:80
L:32871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:774 after pos.:96
L:32874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:774 after pos.:112
L:32895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:775 after pos.:0
L:32898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:775 after pos.:16
L:33003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:777 after pos.:112
L:33082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:779 after pos.:32
L:33085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:779 after pos.:48
L:33151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:781 after pos.:128
L:33178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:782 after pos.:32
L:33330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:788 after pos.:0
L:33336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:788 after pos.:32
L:33342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:788 after pos.:64
L:33388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:789 after pos.:64
L:33433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:16
L:33469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:208
L:33472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:224
L:33481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:272
L:33592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:864
L:33621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791 after pos.:0
L:33624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791 after pos.:16
L:33693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791 after pos.:384
L:33753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:792 after pos.:96
L:33794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:793 after pos.:64
L:33800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:793 after pos.:96
L:33911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:0
L:33959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:256
L:33962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:272
L:36989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:821 after pos.:540
L:36990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:821 after pos.:600
L:36995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:821 after pos.:900
L:36996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:821 after pos.:960
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VERIFICATION SUMMARY   DATE: 05/18/2006
PATENT APPLICATION: **US/10/664,357**   TIME: 12:57:28

Input Set : **F:\PS901seqList.txt**
Output Set: **N:\CRF4\05182006\J664357.raw**

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L:37649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:835 after pos.:660
L:37650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:835 after pos.:720
L:37675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:836 after pos.:720
L:37873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:842 after pos.:0
L:37875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:842 after pos.:120
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